

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082222\
 Data File : VU050399.D
 Acq On : 22 Aug 2022 14:32
 Operator : SY/MD
 Sample : M3734-14DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WS-NAPHTHALENEDL

Quant Time: Aug 23 08:27:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 23 08:18:20 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

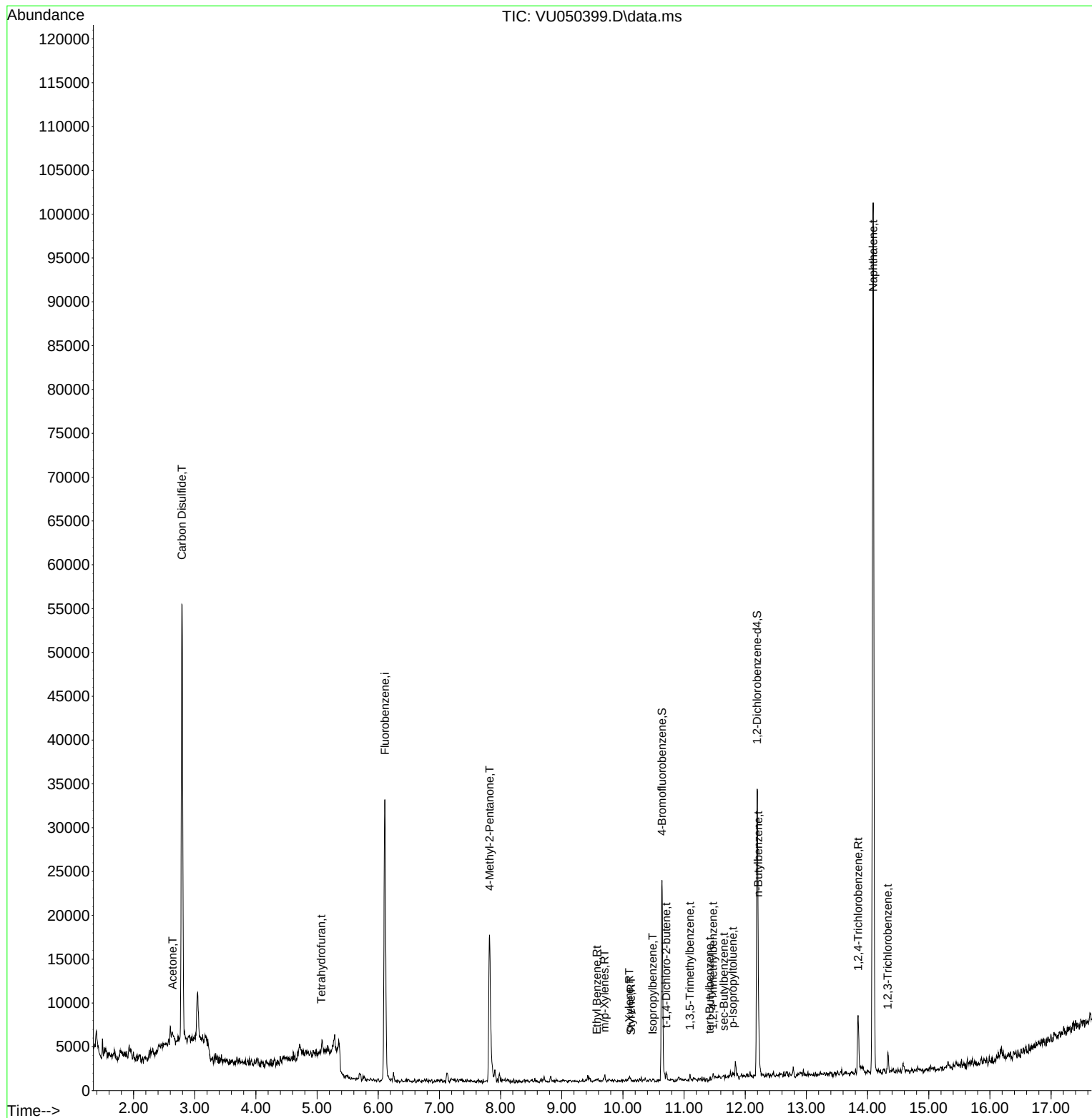
Internal Standards						
1) Fluorobenzene	6.108	96	31362	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	8479	0.794	ug/l	0.00
Spiked Amount 1.000			Recovery	=	79.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	10076	0.798	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
Target Compounds						
						Qvalue
13) Acetone	2.639	43	1227	0.633	ug/l	92
14) Carbon Disulfide	2.790	76	65073	2.274	ug/l	98
41) Tetrahydrofuran	5.070	42	447	0.242	ug/l #	31
45) 4-Methyl-2-Pentanone	7.819	43	13613	2.421	ug/l	94
46) t-1,4-Dichloro-2-butene	10.706	75	161	0.570	ug/l #	20
63) Ethyl Benzene	9.574	91	431	0.579	ug/l #	44
64) m/p-Xylenes	9.700	106	233	1.097	ug/l #	44
65) o-Xylene	10.105	106	145	0.520	ug/l	86
66) Styrene	10.131	104	270	0.609	ug/l #	41
69) Isopropylbenzene	10.484	105	298	0.576	ug/l #	50
75) 1,3,5-Trimethylbenzene	11.095	105	175	0.528	ug/l #	30
77) tert-Butylbenzene	11.417	119	44	0.495	ug/l #	29
78) 1,2,4-Trimethylbenzene	11.471	105	354	0.574	ug/l #	63
79) sec-Butylbenzene	11.652	105	328	0.555	ug/l #	58
81) p-Isopropyltoluene	11.796	119	224	0.610	ug/l #	68
84) n-Butylbenzene	12.211	91	905	0.609	ug/l #	71
87) 1,2,4-Trichlorobenzene	13.844	180	2592	0.232	ug/l	97
89) Naphthalene	14.092	128	87651	3.571	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	827	0.547	ug/l #	89

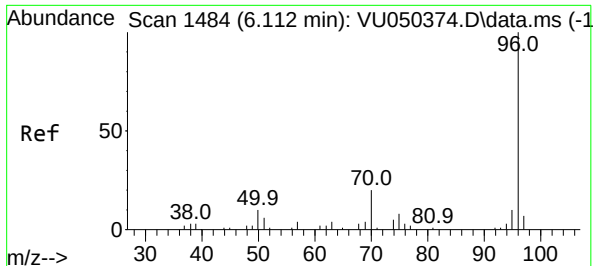
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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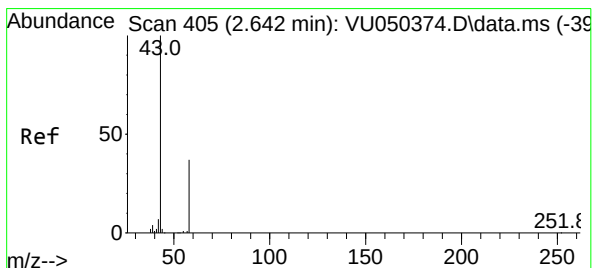
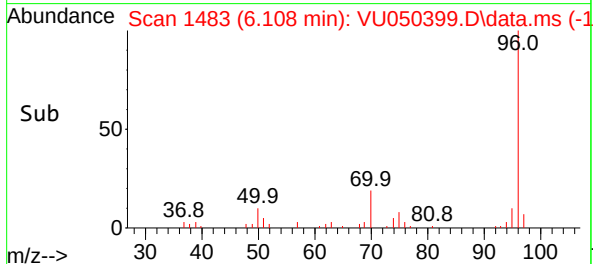
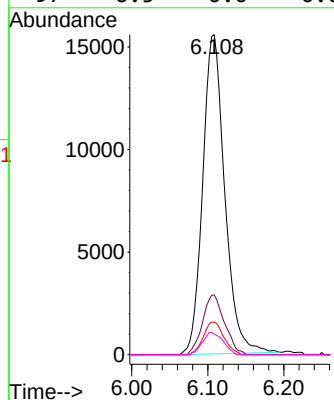
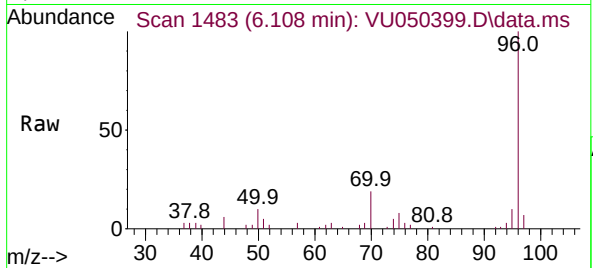


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.108 min Scan# 1483
Delta R.T. -0.007 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

Instrument :
MSVOA_U
ClientSampleId :
WS-NAPHTHALENEDL

Tgt Ion: 96 Resp: 31362

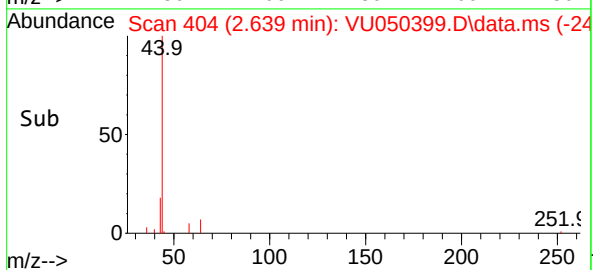
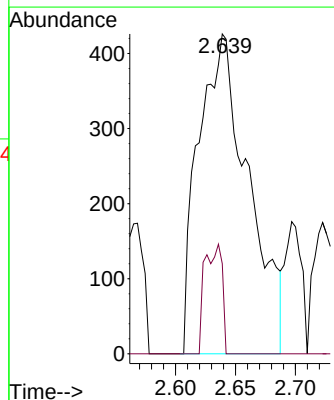
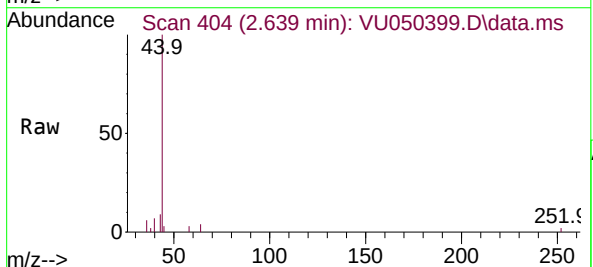
Ion	Ratio	Lower	Upper
96	100		
70	18.6	16.7	25.1
95	9.5	7.4	11.0
97	6.5	0.0	0.0

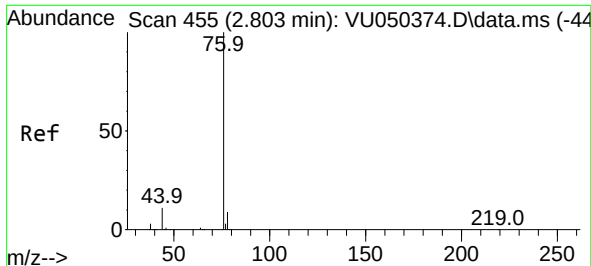


#13
Acetone
Concen: 0.633 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.013 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

Tgt Ion: 43 Resp: 1227

Ion	Ratio	Lower	Upper
43	100		
58	28.2	26.2	39.2

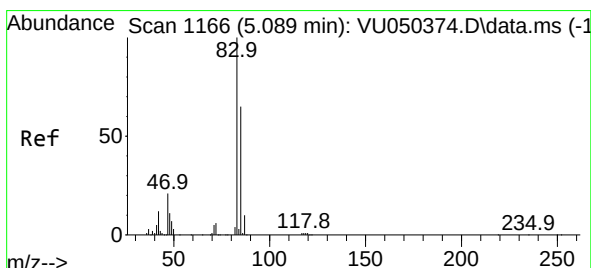
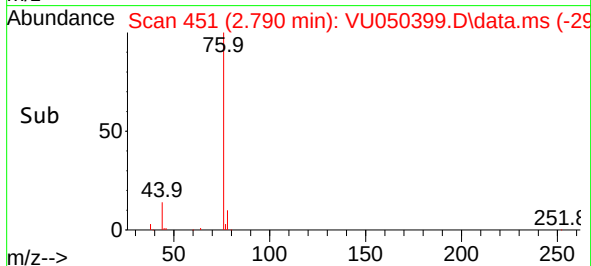
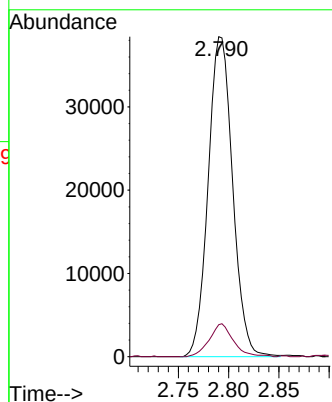
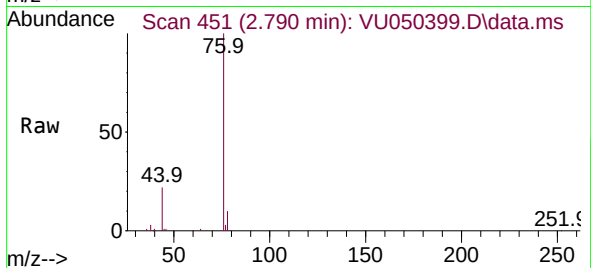




#14
Carbon Disulfide
Concen: 2.274 ug/l
RT: 2.790 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

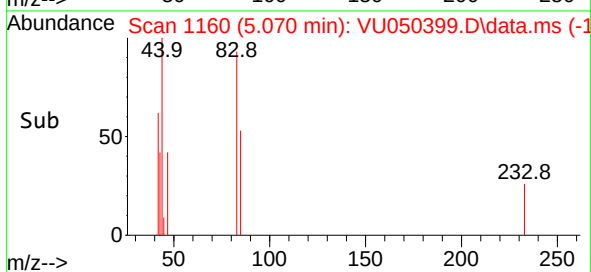
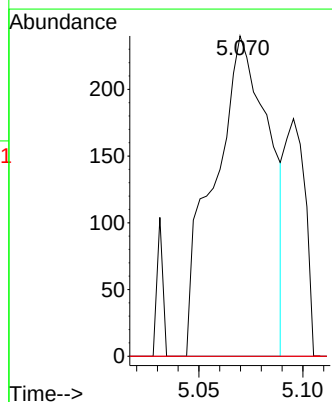
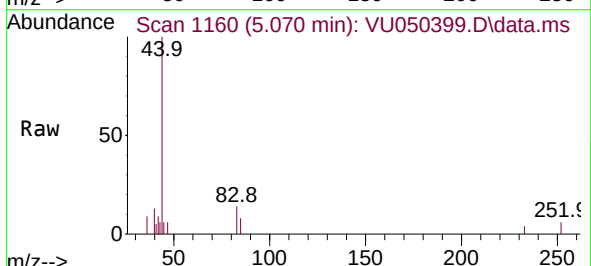
Instrument :
MSVOA_U
ClientSampleId :
WS-NAPHTHALENEDL

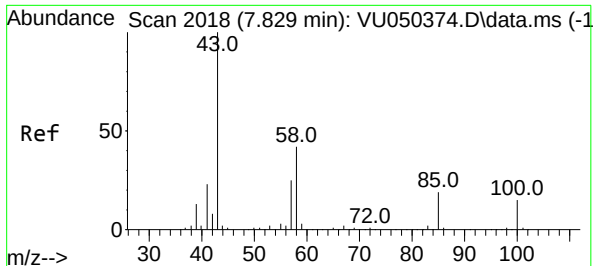
Tgt Ion: 76 Resp: 65073
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.0



#41
Tetrahydrofuran
Concen: 0.242 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.003 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

Tgt Ion: 42 Resp: 447
Ion Ratio Lower Upper
42 100
72 0.0 38.9 58.3#
71 0.0 33.7 50.5#





#45

4-Methyl-2-Pentanone

Concen: 2.421 ug/l

RT: 7.819 min Scan# 2015

Delta R.T. 0.023 min

Lab File: VU050399.D

Acq: 22 Aug 2022 14:32

Instrument :

MSVOA_U

ClientSampleId :

WS-NAPHTHALENEDL

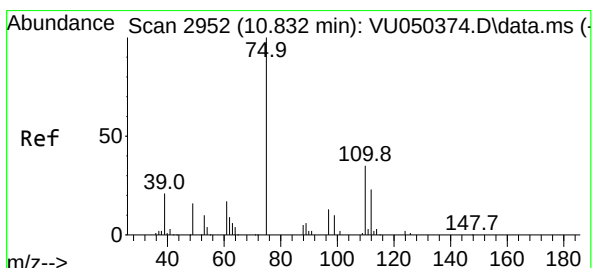
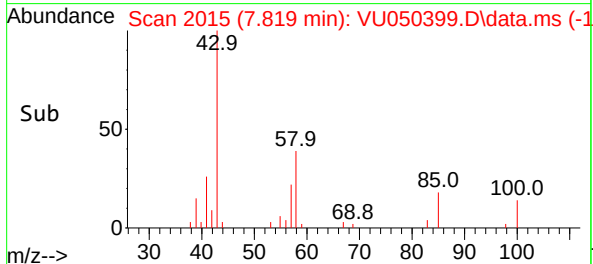
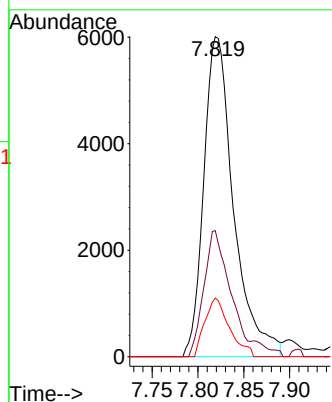
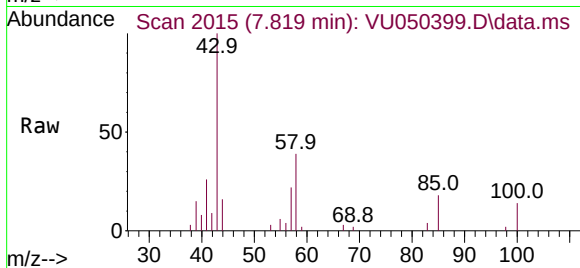
Tgt Ion: 43 Resp: 13613

Ion Ratio Lower Upper

43 100

58 37.2 20.3 61.0

85 15.1 14.6 21.8



#46

t-1,4-Dichloro-2-butene

Concen: 0.570 ug/l

RT: 10.706 min Scan# 2913

Delta R.T. -0.125 min

Lab File: VU050399.D

Acq: 22 Aug 2022 14:32

Tgt Ion: 75 Resp: 161

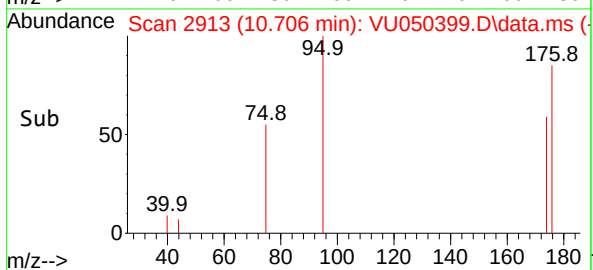
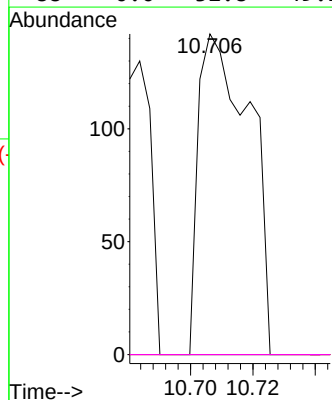
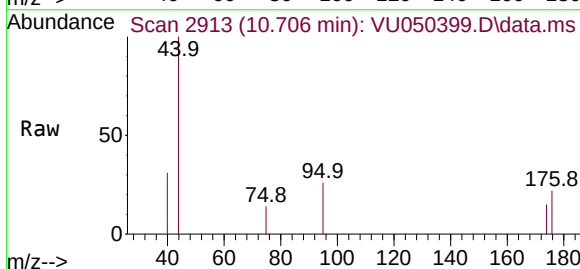
Ion Ratio Lower Upper

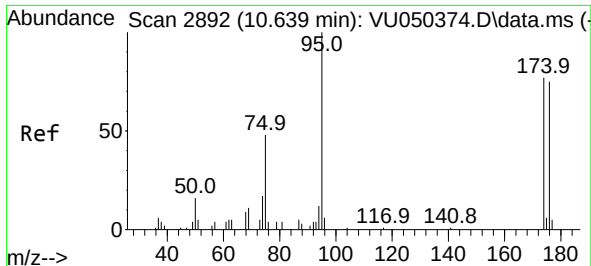
75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.2#

88 0.0 32.8 49.2#

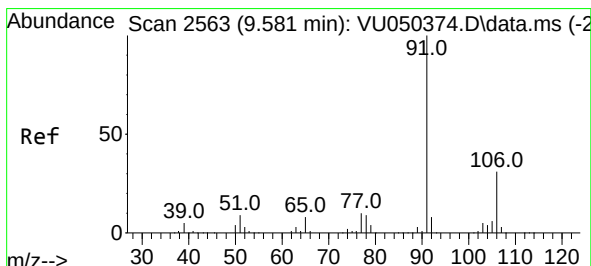
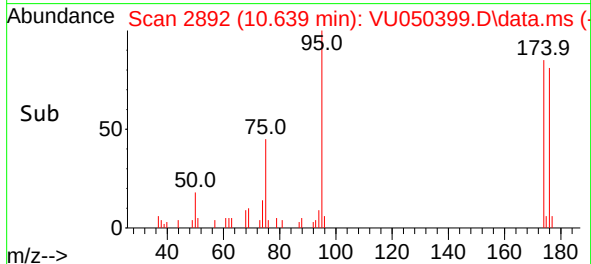
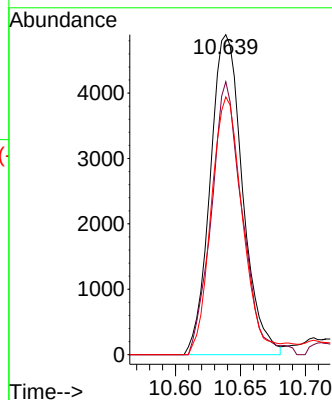
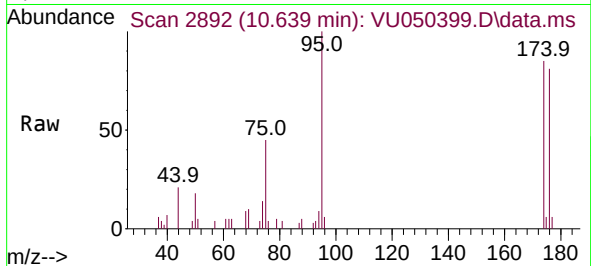




#57
 4-Bromofluorobenzene
 Concen: 0.794 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.006 min
 Lab File: VU050399.D
 Acq: 22 Aug 2022 14:32

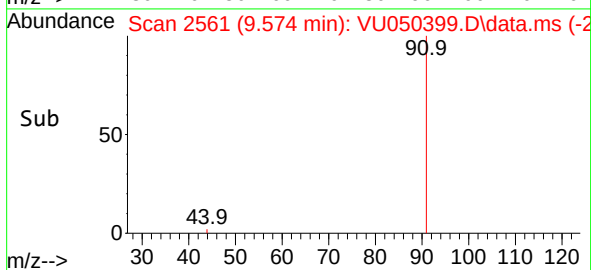
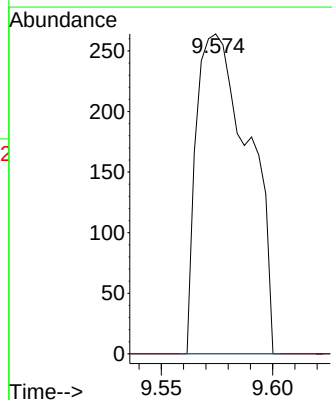
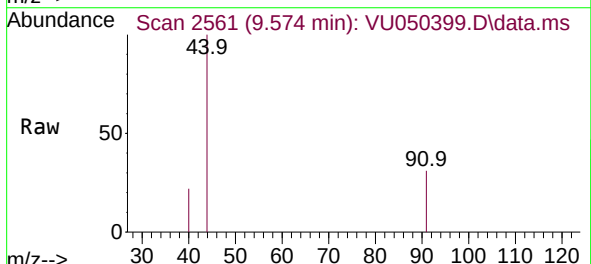
Instrument :
 MSVOA_U
 ClientSampleId :
 WS-NAPHTHALENEDL

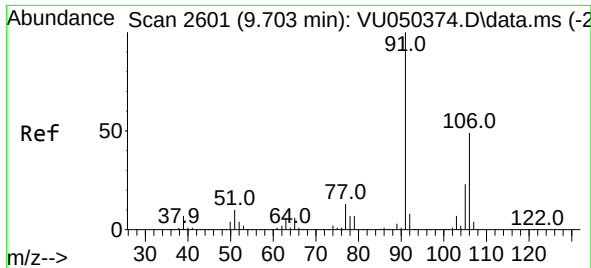
Tgt Ion:	95	Resp:	8479
Ion	Ratio	Lower	Upper
95	100		
174	81.1	62.4	93.6
176	78.2	56.2	84.2



#63
 Ethyl Benzene
 Concen: 0.579 ug/l
 RT: 9.574 min Scan# 2561
 Delta R.T. 0.003 min
 Lab File: VU050399.D
 Acq: 22 Aug 2022 14:32

Tgt Ion:	91	Resp:	431
Ion	Ratio	Lower	Upper
91	100		
106	0.0	24.4	36.6

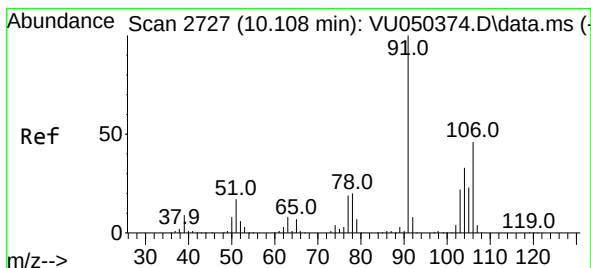
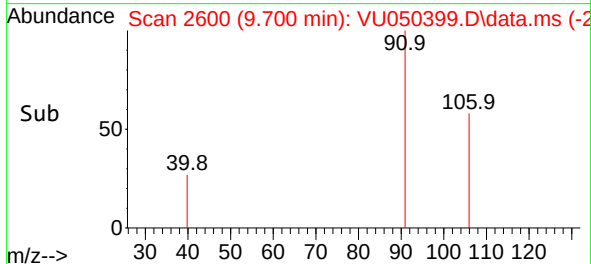
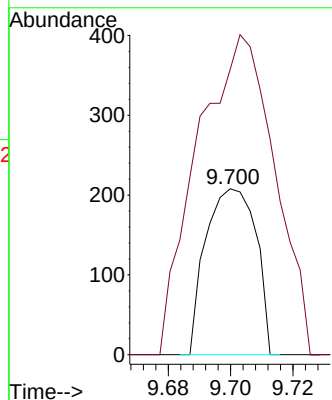
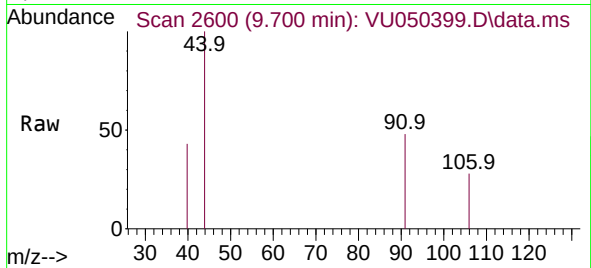




#64
m/p-Xylenes
Concen: 1.097 ug/l
RT: 9.700 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

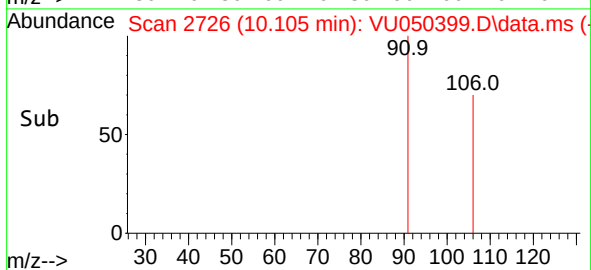
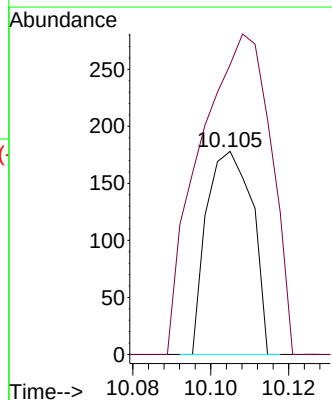
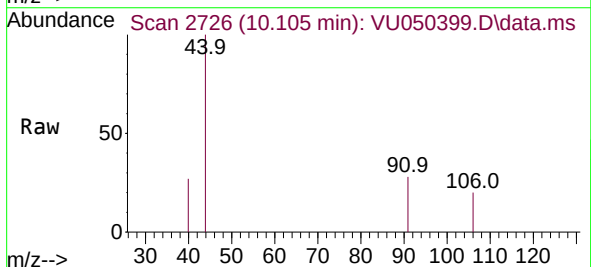
Instrument :
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ClientSampleId :
WS-NAPHTHALENEDL

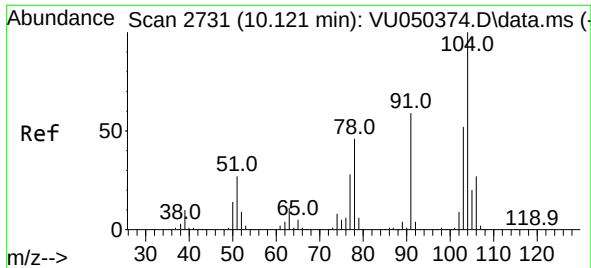
Tgt Ion:106 Resp: 233
Ion Ratio Lower Upper
106 100
91 296.6 167.8 251.6#



#65
o-Xylene
Concen: 0.520 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

Tgt Ion:106 Resp: 145
Ion Ratio Lower Upper
106 100
91 244.8 111.1 333.2

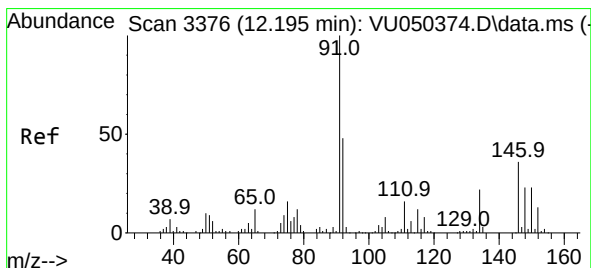
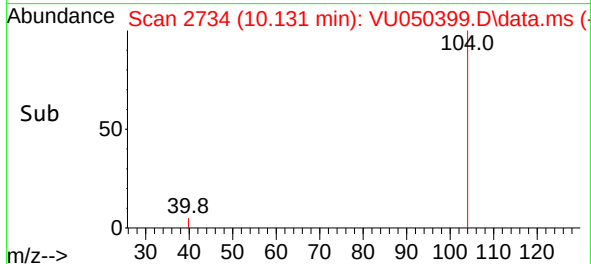
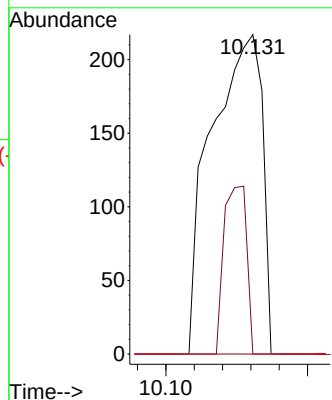
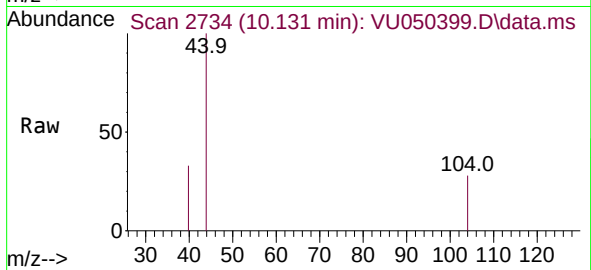




#66
Styrene
Concen: 0.609 ug/l
RT: 10.131 min Scan# 21
Delta R.T. 0.016 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

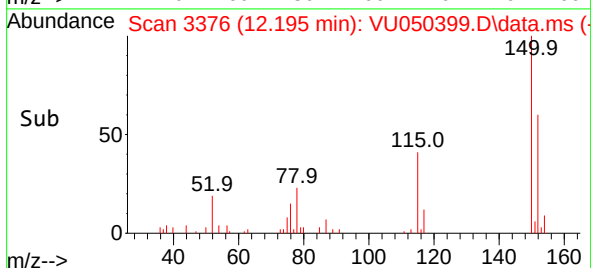
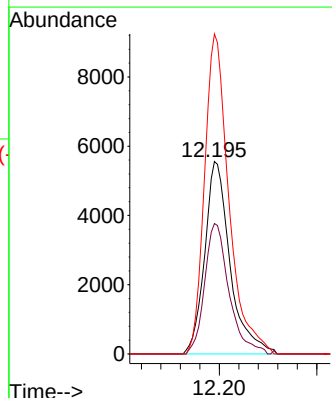
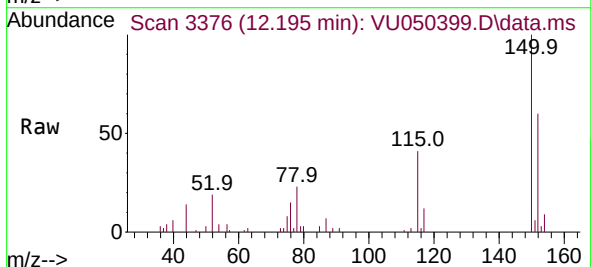
Instrument :
MSVOA_U
ClientSampleId :
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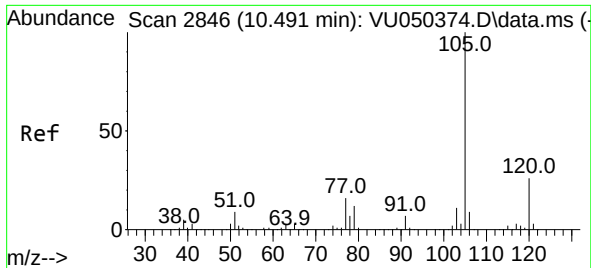
Tgt Ion:104 Resp: 270
Ion Ratio Lower Upper
104 100
78 23.3 42.1 63.1#
103 0.0 44.5 66.7#



#68
1,2-Dichlorobenzene-d4
Concen: 0.798 ug/l
RT: 12.195 min Scan# 3376
Delta R.T. 0.000 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

Tgt Ion:152 Resp: 10076
Ion Ratio Lower Upper
152 100
115 64.9 0.0 254.6
150 159.2 0.0 623.6

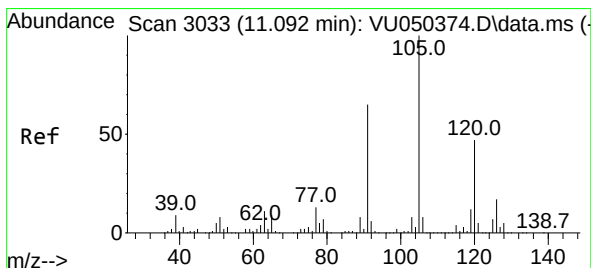
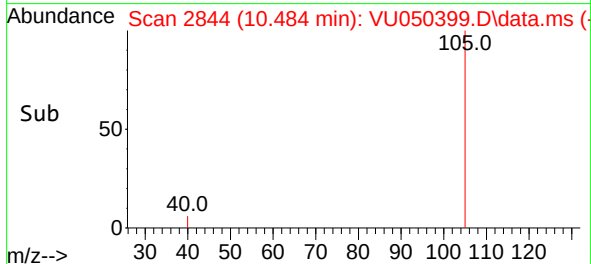
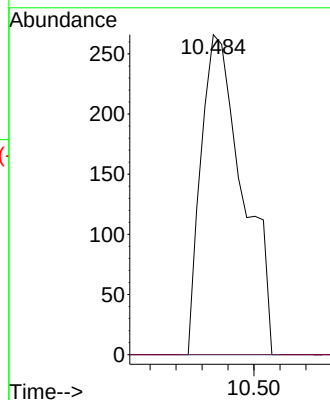
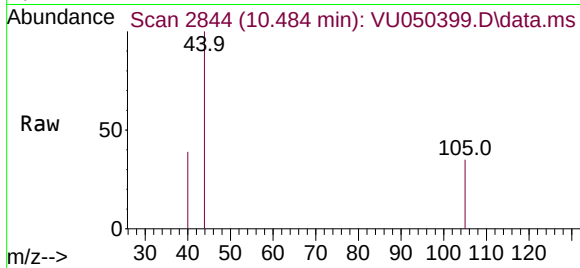




#69
Isopropylbenzene
Concen: 0.576 ug/l
RT: 10.484 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

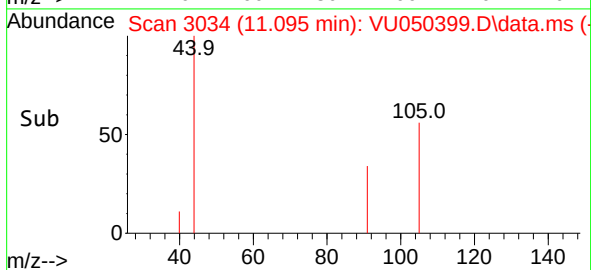
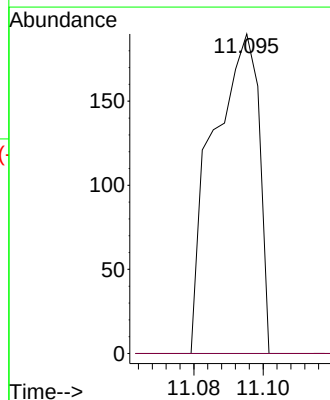
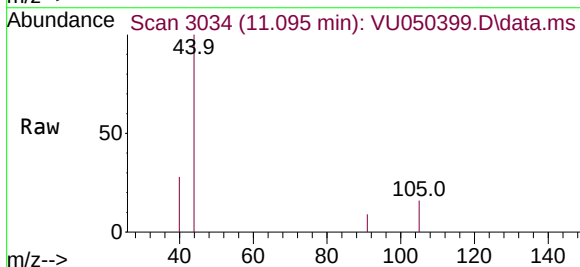
Instrument :
MSVOA_U
ClientSampleId :
WS-NAPHTHALENEDL

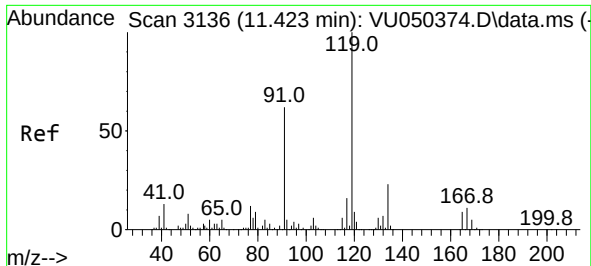
Tgt Ion:105 Resp: 298
Ion Ratio Lower Upper
105 100
120 0.0 12.6 37.8#



#75
1,3,5-Trimethylbenzene
Concen: 0.528 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. 0.006 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

Tgt Ion:105 Resp: 175
Ion Ratio Lower Upper
105 100
120 0.0 37.6 56.4#

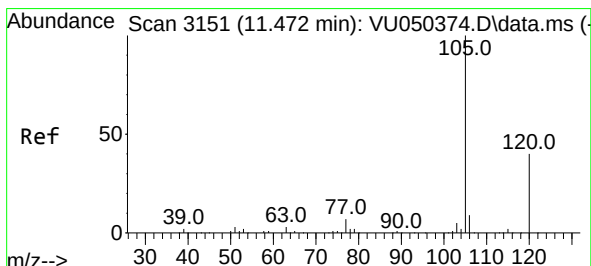
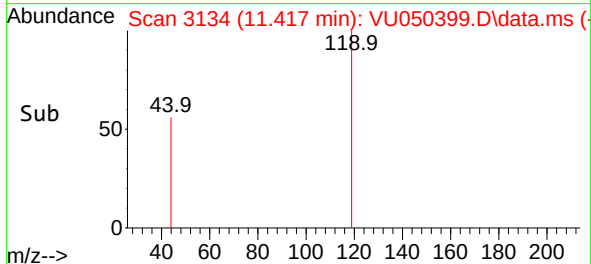
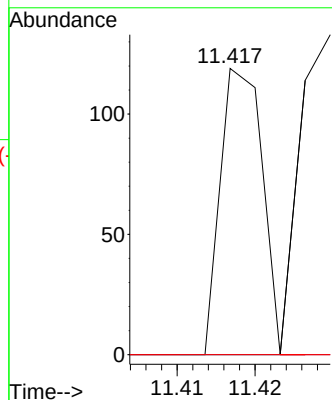
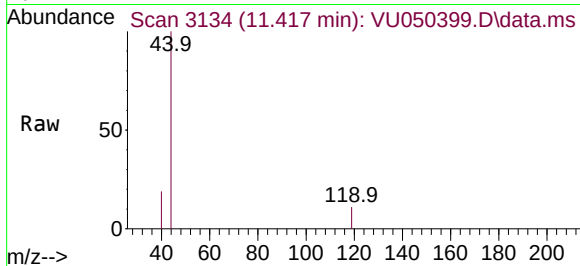




#77
tert-Butylbenzene
Concen: 0.495 ug/l
RT: 11.417 min Scan# 3136
Delta R.T. -0.003 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

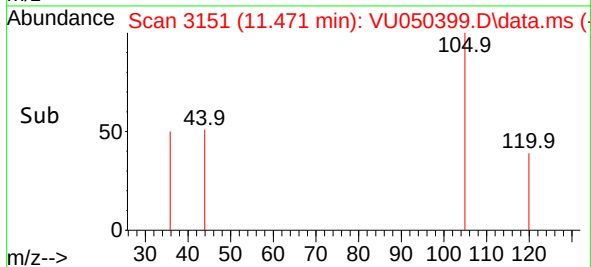
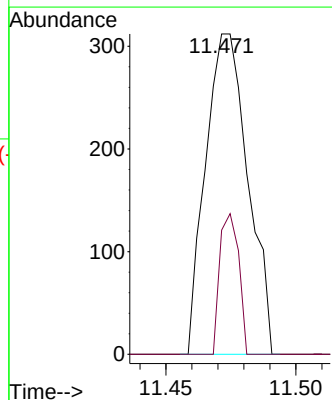
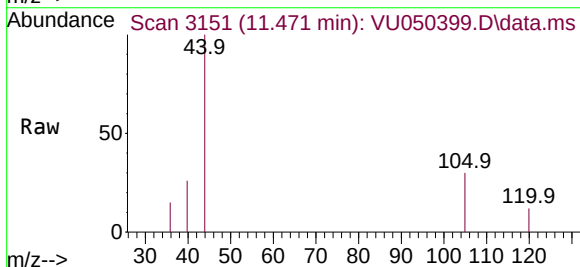
Instrument :
MSVOA_U
ClientSampleId :
WS-NAPHTHALENEDL

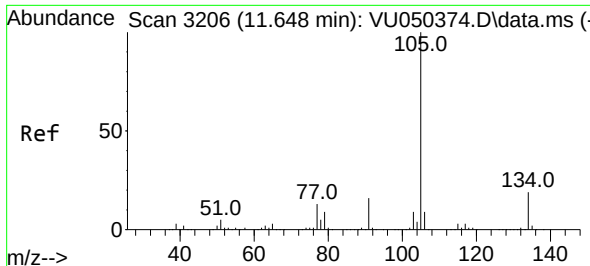
Tgt Ion:119 Resp: 44
Ion Ratio Lower Upper
119 100
91 0.0 30.4 91.3#
134 0.0 17.8 26.6#



#78
1,2,4-Trimethylbenzene
Concen: 0.574 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

Tgt Ion:105 Resp: 354
Ion Ratio Lower Upper
105 100
120 19.5 21.6 65.0#

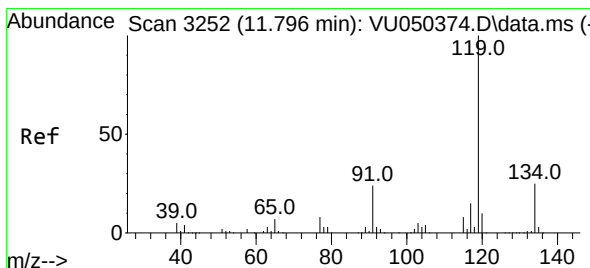
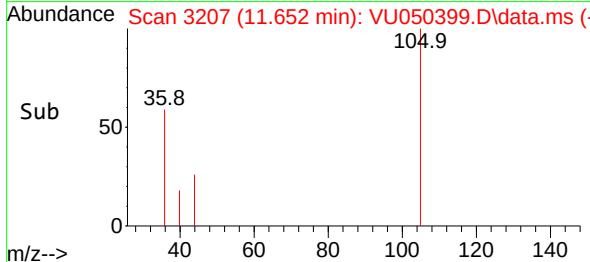
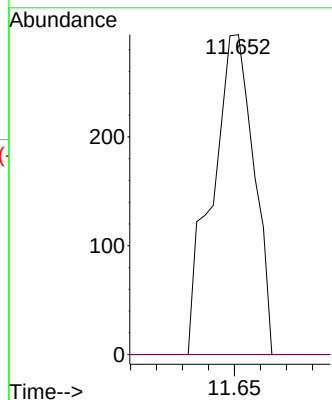
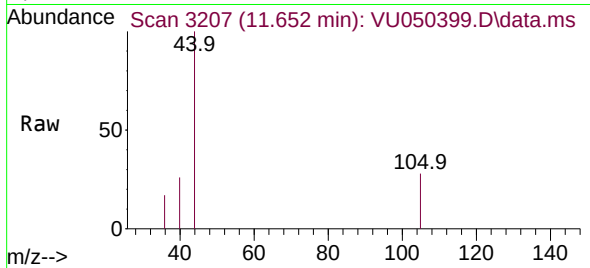




#79
 sec-Butylbenzene
 Concen: 0.555 ug/l
 RT: 11.652 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VU050399.D
 Acq: 22 Aug 2022 14:32

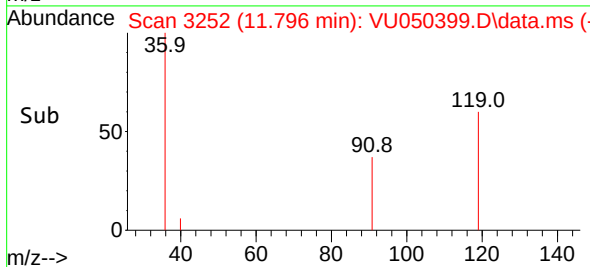
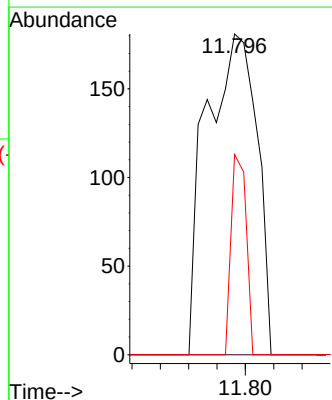
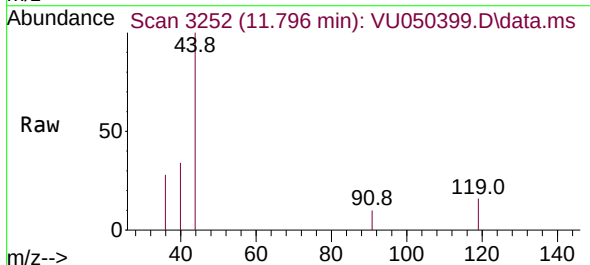
Instrument :
 MSVOA_U
 ClientSampleId :
 WS-NAPHTHALENEDL

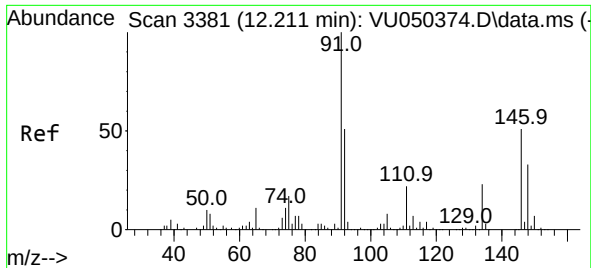
Tgt Ion:105 Resp: 328
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.0#



#81
 p-Isopropyltoluene
 Concen: 0.610 ug/l
 RT: 11.796 min Scan# 3252
 Delta R.T. 0.003 min
 Lab File: VU050399.D
 Acq: 22 Aug 2022 14:32

Tgt Ion:119 Resp: 224
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.5 30.7#
 91 18.8 19.8 29.6#

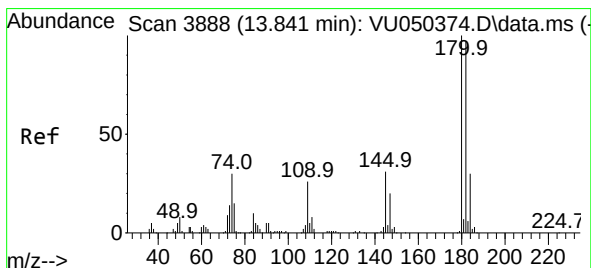
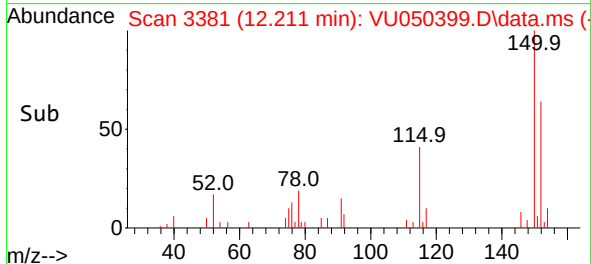
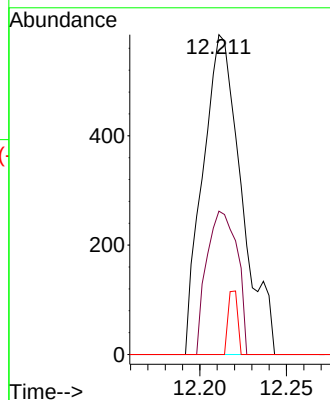
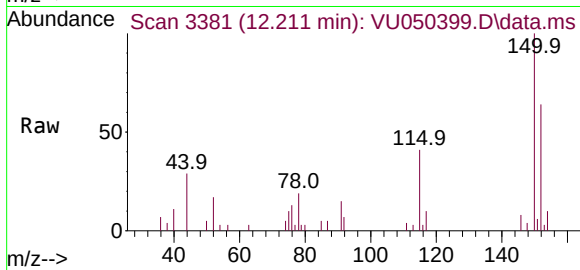




#84
n-Butylbenzene
Concen: 0.609 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

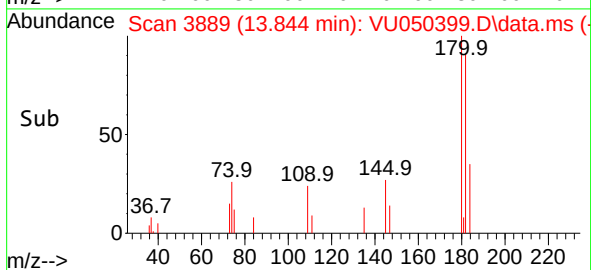
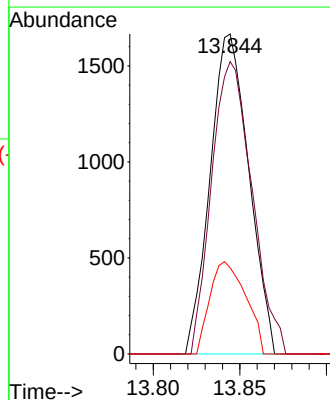
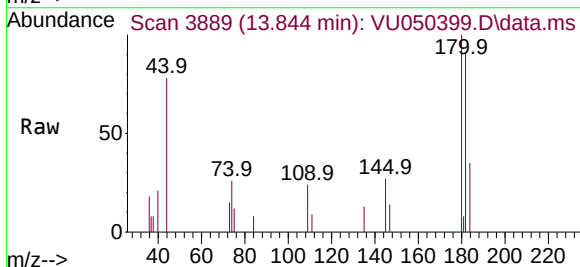
Instrument :
MSVOA_U
ClientSampleId :
WS-NAPHTHALENEDL

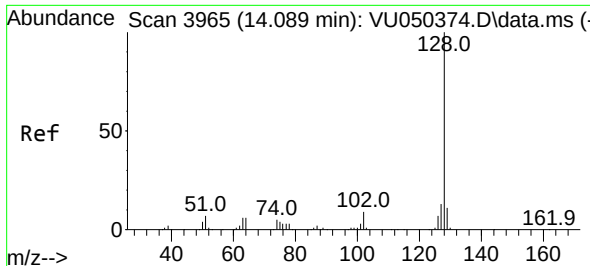
Tgt Ion: 91	Resp:	905
Ion Ratio	Lower	Upper
91	100	
92	35.4	42.3 63.5#
134	5.0	19.6 29.4#



#87
1,2,4-Trichlorobenzene
Concen: 0.232 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

Tgt Ion: 180	Resp:	2592
Ion Ratio	Lower	Upper
180	100	
182	95.2	77.0 115.6
145	26.7	25.7 38.5

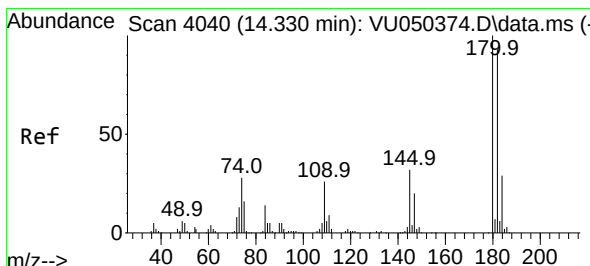
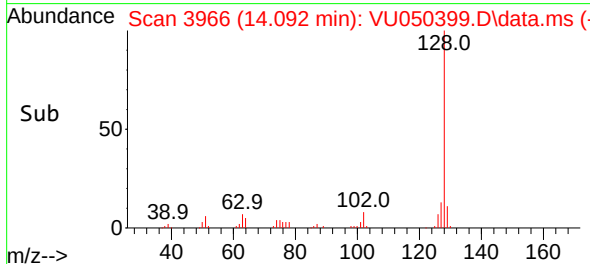
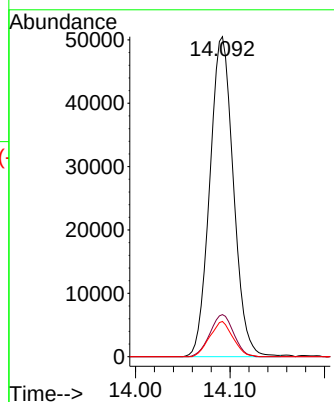
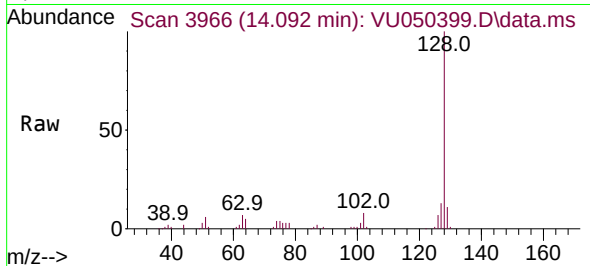




#89
Naphthalene
Concen: 3.571 ug/l
RT: 14.092 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

Instrument :
MSVOA_U
ClientSampleId :
WS-NAPHTHALENEDL

Tgt Ion:128 Resp: 87651
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 10.8 8.6 12.8



#90
1,2,3-Trichlorobenzene
Concen: 0.547 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050399.D
Acq: 22 Aug 2022 14:32

Tgt Ion:180 Resp: 827
Ion Ratio Lower Upper
180 100
182 103.9 76.6 114.8
145 23.3 27.3 40.9#

